



City of Chattanooga

Mayor Andy Berke

January 26, 2017

VIA CERTIFIED MAIL

Ms. Sara Janovitz
Environmental Engineer
Clean Water Enforcement Branch
US EPA-Region 4
61 Forsyth Street, SW
Atlanta, GA 30303

**Re: *United States of America et. al. v. City of Chattanooga, No. 1:12-cv-00245*
Quarterly Report No. 14 – October, 2016 to December, 2016**

Dear Ms. Janovitz:

On behalf of the City of Chattanooga, Tennessee ("City"), and in accordance with the Consent Decree entered by the United States District Court for the Eastern District of Tennessee (Southern Division), on April 24, 2013, in the case styled the United States of America et. al. v. City of Chattanooga, No. 1:12-cv-00245 ("Consent Decree"), we are submitting to both the Environmental Protection Agency ("EPA") and the Tennessee Department of Environment and Conservation ("TDEC") the fourteenth quarterly report required pursuant to paragraph 38 of the Consent Decree. This report is also being submitted in accordance with the letter from Denise Diaz, dated September 16, 2013, establishing the dates for reporting under the Consent Decree.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Ms. Sara Janovitz
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Please let me know if you have any questions regarding our submittal.

Sincerely,

A handwritten signature in blue ink that reads "Michael C. Patrick". The signature is fluid and cursive, with the first name "Michael" being the most prominent part.

Michael C. Patrick, P.E.
Director, Waste Resources Division

Enclosure

cc: Karl Fingerhood, Esq., US DOJ
Chief, Environmental Enforcement Section, US DOJ
Chief, Clean Water Enforcement Branch, US EPA Region 4
Bill Bush, Esq., US EPA
Sohnia Hong, Office of the Attorney General
Enforcement Coordinator, Water Pollution Control, TDEC
Shelby Ward, TN Clean Water Network
Adam Sowatzka, Esq., King & Spalding
Mike Marino, P.E., Jacobs Engineering



Quarterly Report No. 14

October 1, 2016 – December 31, 2016

Prepared for

**United States Environmental Protection Agency
and Tennessee Department of Environment and
Conservation**

City of Chattanooga
Waste Resources Division
Consent Decree Program
Case No. 1:12-cv-00245

Prepared by

City of Chattanooga
Waste Resources Division

Submitted by

JACOBS®

Jacobs Engineering Group Inc.
Consent Decree Program Manager

Chattanooga, Tennessee

January 26, 2017

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Acronyms and Abbreviations

Ave	Avenue
CD	Consent Decree
CFR	Code of Federal Regulations
CSO	Combined Sewer Overflow
CSS	Combined Sewer System
Dr	Drive
EPA	Environmental Protection Agency
Gal	Gallons
Hrs	Hours
Hwy	Highway
Ln	Lane
MBWWTP	Moccasin Bend Waste Water Treatment Plant
MG	Million Gallons
MH	Manhole
N/A	Not Applicable
No.	Number
NPDES	National Pollutant Discharge Elimination System
PS	Pump Station
Rd	Road
SSO	Sanitary Sewer Overflow
St	Street
TDEC	Tennessee Department of Environment and Conservation
Trl	Trail
UNK	Unknown
WCTS	Wastewater Collection and Transmission System
WWTP	Wastewater Treatment Plant

1.0 Introduction

1.1 Purpose

The City of Chattanooga entered into a consent decree with the United States and the State of Tennessee in the case styled *United States of America et. al. v. City of Chattanooga, No. 1:12-cv-00245* (“CD”), which became effective on April 24, 2013. Pursuant to Section IX, paragraph 38 of the CD, Chattanooga is required to submit reports on a quarterly basis to the Environmental Protection Agency (“EPA”) and Tennessee Department of Environment and Conservation (“TDEC”). Chattanooga has prepared Quarterly Report No.14 to satisfy the reporting requirements of the CD. This report is also being submitted in accordance with the letter from Denise Diaz, dated September 16, 2013, establishing the dates for reporting under the CD.

1.2 Requirements

As detailed in Section IX, paragraph 38 of the CD, Chattanooga is required to report the date, time, location, source, estimated duration and volume, and receiving water of the following events:

1. Sanitary sewer overflow (“SSO”) events occurring during the reporting period;
2. Combined sewer overflow (“CSO”) outfall discharges occurring during the reporting period;
and
3. Bypasses at the Moccasin Bend Wastewater Treatment Plant (“MBWWTP”) occurring during the reporting period.

This information is provided in tabular form in Sections 2.0 – 4.0 of this report.

2.0 SSO Events

For the reporting period of October 1, 2016 through December 31, 2016, Chattanooga experienced the SSOs listed in Table 2-1. An SSO event is defined in paragraph 8.(nn) of the CD as “any discharge of wastewater to waters of the United States or State from Chattanooga’s Sewer System through a point source not permitted in any National Pollutant Discharge Elimination System (“NPDES”) permit, as well as any overflow, spill, or release of wastewater to public or private property from the Sewer System that may not have reached waters of the United States or the State, including all building backups.”

Table 2-1
Quarterly SSO Report

SSO ID	Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
1	03-Oct-16	10:30 AM	3915 Youngstown Rd	Manhole	S128K007	1.17	120	Storm Drain	Blockage - Grease
2	04-Oct-16	11:20 AM	281 N Kelley St	Main Line	N/A	0.92	78	Citico Creek	Blockage - Trash/Debris
3	28-Oct-16	10:10 AM	7444 Twin Brook Dr	Main Line	N/A	5.83	2,095	Storm Drain	Break
4	29-Oct-16	7:40 PM	3505 Valley Trl	Manhole	S108N023	1.58	985	Mountain Creek	Blockage - Trash/Debris
5	09-Nov-16	9:35 AM	3000 West Ave	Main Line	N/A	6.42	383	Storm Drain	Break
6	10-Nov-16	8:30 AM	3535 Mtn Creek Rd	Manhole	S108K024	1.25	1,362	Storm Drain	Blockage - Trash/Debris
7	30-Nov-16	8:25 AM	122 Rowland Gap Rd	Main Line	N/A	8.08	1,826,000	Tennessee River	Wet Weather
8	30-Nov-16	8:40 AM	1610 Elm Street (DuPont PS) ¹	Manhole	S118E057	1.17	2,800	Tennessee River	Wet Weather
9	30-Nov-16	10:16 AM	1033 Lupton Dr ¹	Manhole	S118K036	21.98	21,983	Tennessee River	Wet Weather
10	30-Nov-16	10:23 AM	2627 Hixson Pike	Manhole	S127A005	21.78	2,614	Storm Drain	Wet Weather
11	30-Nov-16	10:31 AM	914 Sterling Ave	Manhole	S136H107	21.45	26,813	Tennessee River	Wet Weather
12	30-Nov-16	10:39 AM	1022 Shallowford Rd.	Manhole	S147G104	4.53	1,427	South Chickamauga Creek	Wet Weather
13	30-Nov-16	10:41 AM	2109 Lynbrook Ave	Manhole	S156G048	23.65	2,129	Dobbs Branch	Wet Weather
14	30-Nov-16	10:50 AM	3752 Wilcox Blvd	Manhole	S147B103	22.25	1,780	Storm Drain	Wet Weather
15	30-Nov-16	11:06 AM	6695 Hickory Brook Dr	Manhole	S138M082	21.57	18,332	Storm Drain	Wet Weather
16	30-Nov-16	11:22 AM	7605 Davidson Rd	Manhole	S170D001	22.28	4,902	Mackey Branch	Wet Weather
17	30-Nov-16	11:43 AM	Stratton Place Dr	Manhole	S158M009	22.28	7,354	Mackey Branch	Wet Weather
18	30-Nov-16	1:50 PM	1 Frawley Rd	Manhole	S158O001	5.17	5,167	South Chickamauga Creek	Wet Weather

Table 2-1
Quarterly SSO Report

SSO ID	Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
19	04-Dec-16	11:20 AM	3656 Thrushwood Dr	Manhole	S118B056	5.22	823	Structure*	Blockage - Roots
20	06-Dec-16	8:26 AM	1033 Lupton Dr	Manhole	S118K036	23.93	25,130	Tennessee River	Wet Weather
21	06-Dec-16	8:30 AM	2109 Lynnbrook Ave	Manhole	S156G048	20.50	1,625	Dobbs Branch	Wet Weather
22	06-Dec-16	9:00 AM	3752 Wilcox Blvd	Manhole	S147B103	24.12	1,878	Storm Drain	Wet Weather
23	06-Dec-16	9:01 AM	1022 Shallowford Rd	Manhole	S147G104	24.00	2,482	South Chickamauga Creek	Wet Weather
24	06-Dec-16	2:20 PM	7606 Davidson Rd ¹	Manhole	S170C022	19.28	8,035	Mackey Branch	Wet Weather
25	06-Dec-16	2:58 PM	1207 Radmoor Ln	Manhole	S158K090	18.40	6,133	South Chickamauga Creek	Wet Weather
26	15-Dec-16	12:20 PM	6314 Rosemary Dr	Manhole	S129K117	2.25	28,459	Storm Drain	Blockage - Grease
27	16-Dec-16	10:27 AM	1407 Arlington Ave	Service Line	N/A	1.55	13,465	Storm Drain	Blockage - Roots
28	21-Dec-16	4:15 PM	1335 Cloverdale Dr	Main Line	N/A	3.33	1,122	Structure*	Blockage - Trash/Debris
29	22-Dec-16	8:15 AM	1113 Hidden Creek Dr	Manhole	S117C042	2.17	1,560	Storm Drain	Blockage - Gravel
30	28-Dec-16	12:15 PM	3495 Northrop St	Service Line	N/A	5.17	1,496	Land*	Blockage - Roots
31	29-Dec-16	9:45 AM	1100 Lupton Dr	Manhole	S118K001	2.25	1,238	Land*	Blockage - Roots

¹ Common Cause, within 500 yards of separate event

* Did not reach waters of the United States.

3.0 Moccasin Bend WWTP Bypasses

The CD sets forth the same definition for bypass as the EPA's regulations at 40 C.F.R. § 122.41(m), which defines a bypass as the intentional diversion of waste streams from any portion of a treatment facility. The City's current NPDES permit defines a bypass as the intentional diversion of wastewater away from any portion of a treatment facility other than through peak excess flow treatment facilities or permitted outfalls in accordance with both the long-term control plan and the nine minimum technology-based effluent controls for combined sewer systems. The City reports bypasses and wet weather discharges separately on the monthly Discharge Monitoring Reports, as a discharge from the City's permitted wet weather discharge is not a bypass under the City's current NPDES permit. Based on the foregoing, the WWTP experienced no bypasses during the reporting period of October 1, 2016 through December 31, 2016.

4.0 CSO Outfall Discharges

For the reporting period of October 1, 2016 through December 31, 2016 Chattanooga experienced CSO discharges from CSO outfall treatment facilities as listed in Table 4-1. Paragraph 8.(h) of the CD defines a CSO as “any discharge from the CSS from any outfall currently identified, or identified in the future, as a permitted combined sewer overflow outfall in any Chattanooga NPDES permit from which CSOs are discharged to waters of the United States or the State.” The CSS is defined as the portion of Chattanooga’s wastewater collection and transmission system (WCTS) designed to convey municipal sewage (domestic, commercial and industrial wastewaters) and storm water runoff through a single-pipe system to Chattanooga’s WWTP or CSO outfalls. Chattanooga operates eight (8) permitted CSO outfall treatment facilities, eight (8) of which discharged overflows from the CSS during the reporting period.

Table 4-1
Quarterly CSO Outfall Discharge Report

October 1, 2016 – December 31, 2016						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
29-Nov-16	1:38 PM	Central Ave. CSO (002)	0.12	0.004850	Tennessee River	Rain Event
29-Nov-16	12:48 AM	ML King CSO (007)	4.63	0.802080	Tennessee River	Rain Event
29-Nov-16	12:58 AM	Carter St. CSO (009)	3.92	1.645866	Tennessee River	Rain Event
30-Nov-16	4:16 AM	Central Ave. CSO (002)	15.40	23.266525	Tennessee River	Rain Event
30-Nov-16	8:11 AM	Williams St. CSO (003)	1.82	1.637199	Tennessee River	Rain Event
30-Nov-16	6:35 AM	Citico CSO (004)	12.45	7.504289	Tennessee River	Rain Event
30-Nov-16	5:27 AM	Tremont CSO (005)	7.90	1.989335	Tennessee River	Rain Event
30-Nov-16	6:13 AM	Ross's Landing CSO (006)	8.37	13.543531	Tennessee River	Rain Event
30-Nov-16	5:28 AM	ML King CSO (007)	12.67	5.616097	Tennessee River	Rain Event
30-Nov-16	1:55 AM	19th St. CSO (008)	9.28	2.619289	Tennessee River	Rain Event
30-Nov-16	1:53 AM	Carter St. CSO (009)	13.15	8.879246	Tennessee River	Rain Event
4-Dec-16	4:12 PM	19th St. CSO (008)	1.10	0.026416	Tennessee River	Rain Event
4-Dec-16 thru 7-Dec-16	4:22 PM	Central Ave. CSO (002)	57.75	13.199108	Tennessee River	Rain Event
4-Dec-16	4:57 PM	Tremont CSO (005)	0.37	0.005855	Tennessee River	Rain Event
6-Dec-16	3:27 AM	Tremont CSO (005)	4.97	0.274319	Tennessee River	Rain Event
6-Dec-16	3:36 AM	19th St. CSO (008)	3.23	0.143990	Tennessee River	Rain Event